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ARGENBRIGHT, TONY MICHAEL

CONFIRMATION NO. FIRST NAMED INVENTOR ATTORNEY DOCKET NO. FILING DATE APPLICATION NO.

10/646,740

08/25/2003

Tsuguo Watanabe

0505-1222P

2292

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06/15/2004

EXAMINER

BIRCH STEWART KOLASCH & BIRCH

PO BOX 747 FALLS CHURCH, VA 22040-0747

PAPER NUMBER

ART UNIT 3747

DATE MAILED: 06/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

			1.0
Office Action Summary	Application No.	Applicant(s)	
	10/646,740	WATANABE ET AL.	
	Examiner	Art Unit	
	T. M. Argenbright	3747	
The MAILING DATE of this communication Period for Reply	on appears on the cover sheet w	vith the correspondence address	
A SHORTENED STATUTORY PERIOD FOR F THE MAILING DATE OF THIS COMMUNICAT - Extensions of time may be available under the provisions of 37 (after SIX (6) MONTHS from the mailing date of this communicat - If the period for reply specified above is less than thirty (30) days - If NO period for reply is specified above, the maximum statutory - Failure to reply within the set or extended period for reply will, by Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	CON. CFR 1.136(a). In no event, however, may a ion. s, a reply within the statutory minimum of thi period will apply and will expire SIX (6) MO a statute, cause the application to become A	reply be timely filed rty (30) days will be considered timely. NTHS from the mailing date of this communication BANDONED (35 U.S.C. § 133).	1.
Status			
1) Responsive to communication(s) filed on			
	This action is non-final.		
3) Since this application is in condition for a closed in accordance with the practice ur	llowance except for formal ma	•	;
Disposition of Claims			
4) ⊠ Claim(s) 1-15 is/are pending in the application 4a) Of the above claim(s) is/are with 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1.2.5-7.10.11.14 and 15 is/are reference to claim(s) 3.4.8.9.12 and 13 is/are objecte 8) □ Claim(s) are subject to restriction and claim(s) are subject to restriction are subject to restriction and claim(s)	thdrawn from consideration. ejected. d to.		÷
Application Papers			
9) The specification is objected to by the Example 10) The drawing(s) filed on 25 August 2003 is Applicant may not request that any objection	s/are: a) \square accepted or b) \boxtimes o to the drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the call to be the call to	·	• • •	1).
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of: 1. Certified copies of the priority docu 2. Certified copies of the priority docu 3. Copies of the certified copies of the application from the International E * See the attached detailed Office action for	uments have been received. uments have been received in a e priority documents have been Bureau (PCT Rule 17.2(a)).	Application No received in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-943) Information Disclosure Statement(s) (PTO-1449 or PTO/921) Paper No(s)/Mail Date 11/25/03.	48) Paper No	Summary (PTO-413) (s)/Mail Date Informal Patent Application (PTO-152) 	

DETAILED ACTION

Drawings

The drawings are objected to because all lines, numbers and letters are not uniformly thick and well-defined as required by 37 CFR 1.84(I). Corrected drawing sheets are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

The abstract of the disclosure is objected to because it is more than 150 words long and in line 1, "international" should read "internal". Correction is required. See MPEP § 608.01(b).

Claim Objections

Claims 3, 4, 8, 9, 12 and 13 are objected to because they include reference characters which are not enclosed within parentheses.

Reference characters corresponding to elements recited in the detailed description of the drawings and used in conjunction with the recitation of the same element or group of

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elements in the claims should be enclosed within parentheses so as to avoid confusion with other numbers or characters which may appear in the claims. See MPEP § 608.01(m).

Claim Rejections - 35 USC § 112

Claim 10 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Method claim 10 depends from apparatus claim 5. It appears that the claim should depend from claim 6.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 2, 5, 6, 7, 10, 11, 14 and 15 are rejected under 35 U.S.C. 102(e) as being anticipated by Machida et al. In column 7, line 46 through column 12, line 52, Machida et al discloses a fuel injection system having upstream and downstream injectors 10 and 10a with an injection quantity for each valve being determined by the control unit in accordance with speed and throttle opening. When acceleration is detected, an acceleration correction, TACC, is calculated and added to the fuel amount injected by the downstream injector.

The applied reference has a common inventor with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37

CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Allowable Subject Matter

Claims 3, 4, 8, 9, 12, and 13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

The dual fuel injection valve systems made of record and not relied upon are considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to T. M. Argenbright whose telephone number is 703-308-1955. The examiner can normally be reached 6:30am-3:00pm M-Th and 6:30am-2:00pm alt. Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry C. Yuen can be reached on 703-308-1946. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

T. M. Argenbright Primary Examiner Art Unit 3747